

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: July 28, 2018	WEATHER: Clear, High ~85 degrees F
Personnel and Visitors Onsite: Research vessel Cayuse – <u>CDM Smith</u> : Jennifer Jones; <u>Geosyntec</u> : Erin Dunbar; <u>Gravity Marine</u> : Mike Duffield, Peter Jenkins; <u>AECOM</u> : Mark Tauscher	
Planned Activity: <ul style="list-style-type: none"> Collect surface sediment samples at Downtown/Upriver locations. 	
Activity Completed: A tailgate safety meeting was led by AECOM. Topics discussed during the safety meeting included fatigue, hydration, and overhead activities and hazards associated with site conditions. The forecast is for high temperatures (upper 90s F). Jennifer Jones performed oversight of surface sediment sampling from 08:00 to 11:50 on board the Cayuse. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows: <ul style="list-style-type: none"> Position check at Swan Island boat ramp parking lot (performed by Gravity prior to launching boat at Willamette Park in West Linn), indicated that the vessel GPS was reading within 0.8 feet of the point, meeting the 1-2 m accuracy specification in the FSP. 3-point composite surface sediment samples were collected from 3 baseline locations in the Upriver reach as summarized below. Activities included decontamination of sampling equipment using Alconox and deionized/distilled water and housekeeping of the sampling area. 	
Status of Schedule & Priority Work: <ul style="list-style-type: none"> At this point, all surface sediment sampling locations have been visited, with the exception of a small number (2-3) sample locations at Simplot (no access has been granted there) and at Vigor (a ship is in the way of sampling there). In addition, there are a small number of sampling locations where previous sampling was attempted and these are awaiting resolution to determine if additional sampling efforts are needed there. 	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): None. All 3 composite samples were collected following 3 grabs that each had good recovery and > 35% fines.	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): No EPA split samples were collected. Photographs of work were taken throughout the day and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.	
Borings of Grabs Completed (Include total footage drilled for each boring): On the Cayuse, sediment samples were collected at the following sampling locations: <ul style="list-style-type: none"> PDI-SG-B487 –within 25-FT radius, RM 28, very dark gray silt layer in all 3 grabs, typically from 0-18 cm, then dark gray fine sand from 18-29 cm, no odor or sheen. Three of a total of 3 grabs had good recovery (29, 28, and 29 cms). Several small clams and freshwater snails (Juga sp.?) observed in grab. 40% fines determined in first grab. PDI-SG-B488- within 25-FT radius, RM 28, very dark gray soft silt with a trace very dark brown redox layer at surface and fine sand toward bottom of sampler, no odor or sheen. Three of a total of 3 grabs had good recovery (24, 28, and 30 cms). 40% fines determined in first grab. PDI-SG-B486- within 25-FT radius, RM 28, very dark gray soft silt with a trace very dark brown redox layer at surface and trace fine sand throughout, no odor or sheen. Three of a total of 3 grabs had good recovery (32, 29, and 33 cms). A small lamprey was stuck in the jaws in grab #2. 60% fines determined in first grab. Note: Sediment descriptions are simplified and AECOM/Geosyntec provided more detailed sediment descriptions in their sampling notes. Trace components are not included in simplified descriptions unless related to sheen or biota.	

Wastes Generated and How Handled:

- Excess sediment and debris from today's sampling activities was rinsed back into the river per the FSP. No sheen or orders were observed today.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.

Health and Safety Issues, Equipment Needs, Staffing:

None observed

Signature:

Jennifer Jones

DATE

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